

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003  
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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15  
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s absorbent(1)composite(1)sheet  
31131 ABSORBENT  
16157 ABSORBENTS  
37498 ABSORBENT  
(ABSORBENT OR ABSORBENTS)  
238095 COMPOSITE  
144041 COMPOSITES  
271494 COMPOSITE  
(COMPOSITE OR COMPOSITES)  
230893 SHEET  
145365 SHEETS  
302721 SHEET  
(SHEET OR SHEETS)  
L1 112 ABSORBENT(L)COMPOSITE(L)SHEET

=> s (nonwoven or non-woven or un-woven or unwoven)  
26188 NONWOVEN  
2546 NONWOVENS  
26423 NONWOVEN  
(NONWOVEN OR NONWOVENS)  
586044 NON  
30 NONS  
586068 NON  
(NON OR NONS)  
18430 WOVEN  
91 WOVENS  
18497 WOVEN  
(WOVEN OR WOVENS)  
2020 NON-WOVEN  
(NON (W) WOVEN)  
47631 UN  
1671 UNS  
49296 UN  
(UN OR UNS)  
18430 WOVEN  
91 WOVENS

18497 WOVEN  
(WOVEN OR WOVENS)  
10 UN-WOVEN  
(UN(W) WOVEN)  
968 UNWOVEN  
L2 28511 (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)  
  
=> s fabric or textile  
87038 FABRIC  
78139 FABRICS  
119942 FABRIC  
(FABRIC OR FABRICS)  
71500 TEXTILE  
78201 TEXTILES  
112626 TEXTILE  
(TEXTILE OR TEXTILES)  
L3 184786 FABRIC OR TEXTILE  
  
=> s sap or superabsorbent polymer  
10789 SAP  
706 SAPS  
11108 SAP  
(SAP OR SAPS)  
1083 SUPERABSORBENT  
724 SUPERABSORBENTS  
1209 SUPERABSORBENT  
(SUPERABSORBENT OR SUPERABSORBENTS)  
885805 POLYMER  
747871 POLYMERS  
1208935 POLYMER  
(POLYMER OR POLYMERS)  
466 SUPERABSORBENT POLYMER  
(SUPERABSORBENT(W) POLYMER)  
L4 11521 SAP OR SUPERABSORBENT POLYMER  
  
=> s hot melt or hot-melt  
368381 HOT  
33 HOTS  
368412 HOT  
(HOT OR HOTS)  
263890 MELT  
76697 MELTS  
299894 MELT  
(MELT OR MELTS)  
11102 HOT MELT  
(HOT(W) MELT)  
368381 HOT  
33 HOTS  
368412 HOT  
(HOT OR HOTS)  
263890 MELT  
76697 MELTS  
299894 MELT  
(MELT OR MELTS)  
11102 HOT-MELT  
(HOT(W) MELT)  
L5 11102 HOT MELT OR HOT-MELT  
  
=> s adhesive  
151610 ADHESIVE  
99901 ADHESIVES  
L6 172071 ADHESIVE  
(ADHESIVE OR ADHESIVES)

=> s mesh  
73359 MESH  
2720 MESHES  
L7 75157 MESH  
(MESH OR MESHES)

=> d his

(FILE 'HOME' ENTERED AT 10:29:59 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003

L1 112 S ABSORBENT (L) COMPOSITE (L) SHEET  
L2 28511 S (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)  
L3 184786 S FABRIC OR TEXTILE  
L4 11521 S SAP OR SUPERABSORBENT POLYMER  
L5 11102 S HOT MELT OR HOT-MELT  
L6 172071 S ADHESIVE  
L7 75157 S MESH

=> s 15 and 16 and 17  
L8 74 L5 AND L6 AND L7

=> s 12 and 13  
L9 22258 L2 AND L3

=> s 18 and 19 and 14  
L10 1 L8 AND L9 AND L4

=> s 11 and 18 and 19  
L11 0 L1 AND L8 AND L9

=> d 110 bib,abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:91147 CAPLUS  
DN 134:152691  
TI Absorbing products having absorbent layer with deodorizing function  
IN Tanaka, Masahito; Hamashima, Yoshitsugu; Sakamoto, Noriko; Teranishi, Futoshi; Nakanishi, Minoru  
PA Kao Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 16 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001029384	A2	20010206	JP 2000-13558	20000121
	CN 1274570	A	20001129	CN 2000-107698	20000519
	TW 449468	B	20010811	TW 2000-89109646	20000519
PRAI	JP 1999-140652	A	19990520		
	JP 2000-13558	A	20000121		
AB	The absorbing products such as sanitary napkins, disposable diapers, incontinence pads, etc., comprise (1) a liq.-permeable surface layer, (2) a liq.-impermeable and leakage-preventive layer, and (3) a liq.-holding absorbing layer between (1) and (2), and (3) has a deodorant unit comprising (a) hydrophilic fibers or foams which are not swollen with water or show centrifuge retention after equil. water absorption .1toreq.0.7 g/g and (b) deodorizing agents so that the deodorant unit is a layer contg. (a) and (b) dispersed to each other or a laminated of a layer contg. (a) and a layer contg. (b). Absorption ability of the products for NH3 and MeSH gases is also prescribed. A deodorant sheet, prep'd. by sandwiching Aqualic ( <b>superabsorbent polymer</b> ) and CW 480B (granular activated C) between a pair of fiber sheets made				

from crosslinked pulp and Fibrilbond [poly(vinyl alc.) fiber], was folded into C-shape, wrapped with a leakage-preventive polyethylene film from the bottom side and a liq.-permeable porous polyethylene skin-contact film, and then laminated with a release paper via a **hot-melt adhesive** to give to give a sanitary napkin.

=> log y			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	39.36	39.57	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	-0.65	-0.65	

STN INTERNATIONAL LOGOFF AT 10:34:34 ON 04 APR 2003

=> file caplus  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003  
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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15  
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s absorbent(1)composite(1)sheet  
31131 ABSORBENT  
16157 ABSORBENTS  
37498 ABSORBENT  
(ABSORBENT OR ABSORBENTS)  
238095 COMPOSITE  
144041 COMPOSITES  
271494 COMPOSITE  
(COMPOSITE OR COMPOSITES)  
230893 SHEET  
145365 SHEETS  
302721 SHEET  
(SHEET OR SHEETS)  
L1 112 ABSORBENT(L)COMPOSITE(L)SHEET

=> s (nonwoven or non-woven or un-woven or unwoven)  
26188 NONWOVEN  
2546 NONWOVENS  
26423 NONWOVEN  
(NONWOVEN OR NONWOVENS)  
586044 NON  
30 NONS  
586068 NON  
(NON OR NONS)  
18430 WOVEN  
91 WOVENS  
18497 WOVEN  
(WOVEN OR WOVENS)  
2020 NON-WOVEN  
(NON (W) WOVEN)  
47631 UN  
1671 UNS  
49296 UN  
(UN OR UNS)  
18430 WOVEN  
91 WOVENS

18497 WOVEN  
(WOVEN OR WOVENS)  
10 UN-WOVEN  
(UN(W) WOVEN)  
968 UNWOVEN  
L2 28511 (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)

=> s fabric or textile  
87038 FABRIC  
78139 FABRICS  
119942 FABRIC  
(FABRIC OR FABRICS)  
71500 TEXTILE  
78201 TEXTILES  
112626 TEXTILE  
(TEXTILE OR TEXTILES)  
L3 184786 FABRIC OR TEXTILE

=> s sap or superabsorbent polymer  
10789 SAP  
706 SAPS  
11108 SAP  
(SAP OR SAPS)  
1083 SUPERABSORBENT  
724 SUPERABSORBENTS  
1209 SUPERABSORBENT  
(SUPERABSORBENT OR SUPERABSORBENTS)  
885805 POLYMER  
747871 POLYMERS  
1208935 POLYMER  
(POLYMER OR POLYMERS)  
466 SUPERABSORBENT POLYMER  
(SUPERABSORBENT (W) POLYMER)  
L4 11521 SAP OR SUPERABSORBENT POLYMER

=> s hot melt or hot-melt  
368381 HOT  
33 HOTS  
368412 HOT  
(HOT OR HOTS)  
263890 MELT  
76697 MELTS  
299894 MELT  
(MELT OR MELTS)  
11102 HOT MELT  
(HOT(W) MELT)  
368381 HOT  
33 HOTS  
368412 HOT  
(HOT OR HOTS)  
263890 MELT  
76697 MELTS  
299894 MELT  
(MELT OR MELTS)  
11102 HOT-MELT  
(HOT(W) MELT)  
L5 11102 HOT MELT OR HOT-MELT

=> s adhesive  
151610 ADHESIVE  
99901 ADHESIVES  
L6 172071 ADHESIVE  
(ADHESIVE OR ADHESIVES)

=> s mesh  
73359 MESH  
2720 MESHES  
L7 75157 MESH  
(MESH OR MESHES)

=> d his

(FILE 'HOME' ENTERED AT 10:29:59 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 10:30:40 ON 04 APR 2003

L1 112 S ABSORBENT(L) COMPOSITE(L) SHEET  
L2 28511 S (NONWOVEN OR NON-WOVEN OR UN-WOVEN OR UNWOVEN)  
L3 184786 S FABRIC OR TEXTILE  
L4 11521 S SAP OR SUPERABSORBENT POLYMER  
L5 11102 S HOT MELT OR HOT-MELT  
L6 172071 S ADHESIVE  
L7 75157 S MESH

=> s 15 and 16 and 17  
L8 74 L5 AND L6 AND L7

=> s 12 and 13  
L9 22258 L2 AND L3

=> s 18 and 19 and 14  
L10 1 L8 AND L9 AND L4

=> s 11 and 18 and 19  
L11 0 L1 AND L8 AND L9

=> d 110 bib,abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:91147 CAPLUS  
DN 134:152691  
TI Absorbing products having absorbent layer with deodorizing function  
IN Tanaka, Masahito; Hamashima, Yoshitsugu; Sakamoto, Noriko; Teranishi, Futoshi; Nakanishi, Minoru  
PA Kao Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 16 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001029384	A2	20010206	JP 2000-13558	20000121
	CN 1274570	A	20001129	CN 2000-107698	20000519
	TW 449468	B	20010811	TW 2000-89109646	20000519
PRAI	JP 1999-140652	A	19990520		
	JP 2000-13558	A	20000121		
AB	The absorbing products such as sanitary napkins, disposable diapers, incontinence pads, etc., comprise (1) a liq.-permeable surface layer, (2) a liq.-impermeable and leakage-preventive layer, and (3) a liq.-holding absorbing layer between (1) and (2), and (3) has a deodorant unit comprising (a) hydrophilic fibers or foams which are not swollen with water or show centrifuge retention after equil. water absorption .1toreq. 0.7 g/g and (b) deodorizing agents so that the deodorant unit is a layer contg. (a) and (b) dispersed to each other or a laminated of a layer contg. (a) and a layer contg. (b). Absorption ability of the products for NH3 and MeSH gases is also prescribed. A deodorant sheet, prep'd. by sandwiching Aqualic ( <b>superabsorbent polymer</b> ) and CW 480B (granular activated C) between a pair of fiber sheets made				

from crosslinked pulp and Fibrilbond [poly(vinyl alc.) fiber], was folded into C-shape, wrapped with a leakage-preventive polyethylene film from the bottom side and a liq.-permeable porous polyethylene skin-contact film, and then laminated with a release paper via a **hot-melt adhesive** to give to give a sanitary napkin.

=> log y			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	39.36	39.57	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-0.65	-0.65	

STN INTERNATIONAL LOGOFF AT 10:34:34 ON 04 APR 2003

=> s composite

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	0.42	0.42	

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15  
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s absorbent(1)composite  
31131 ABSORBENT  
16157 ABSORBENTS  
37498 ABSORBENT  
(ABSORBENT OR ABSORBENTS)  
238095 COMPOSITE  
144041 COMPOSITES  
271494 COMPOSITE  
(COMPOSITE OR COMPOSITES)  
L1 740 ABSORBENT(L)COMPOSITE

=> s (nonwoven or unwoven or non-woven or un-woven) and substrate  
26188 NONWOVEN  
2546 NONWOVENS  
26423 NONWOVEN  
(NONWOVEN OR NONWOVENS)  
968 UNWOVEN  
586044 NON  
30 NONS  
586068 NON  
(NON OR NONS)  
18430 WOVEN  
91 WOVENS  
18497 WOVEN  
(WOVEN OR WOVENS)  
2020 NON-WOVEN  
(NON (W) WOVEN)  
47631 UN  
1671 UNS  
49296 UN  
(UN OR UNS)  
18430 WOVEN  
91 WOVENS  
18497 WOVEN  
(WOVEN OR WOVENS)  
10 UN-WOVEN  
(UN (W) WOVEN)  
669652 SUBSTRATE  
315874 SUBSTRATES  
843266 SUBSTRATE  
(SUBSTRATE OR SUBSTRATES)  
L2 2568 (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE  
  
=> s superabsorbent or sap  
1083 SUPERABSORBENT  
724 SUPERABSORBENTS  
1209 SUPERABSORBENT  
(SUPERABSORBENT OR SUPERABSORBENTS)  
10789 SAP  
706 SAPS  
11108 SAP  
(SAP OR SAPS)  
L3 12254 SUPERABSORBENT OR SAP  
  
=> s hot melt adhesive  
368381 HOT  
33 HOTS  
368412 HOT  
(HOT OR HOTS)  
263890 MELT  
76697 MELTS  
299894 MELT  
(MELT OR MELTS)  
151610 ADHESIVE  
99901 ADHESIVES  
172071 ADHESIVE  
(ADHESIVE OR ADHESIVES)  
L4 6420 HOT MELT ADHESIVE  
(HOT (W) MELT (W) ADHESIVE)  
  
=> s fibers or fibres  
460843 FIBERS  
1612 FIBRES  
L5 461232 FIBERS OR FIBRES

=> d his

(FILE 'HOME' ENTERED AT 11:34:37 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

L1 740 S ABSORBENT(L) COMPOSITE  
L2 2568 S (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE  
L3 12254 S SUPERABSORBENT OR SAP  
L4 6420 S HOT MELT ADHESIVE  
L5 461232 S FIBERS OR FIBRES

=> s 14 and 15

L6 711 L4 AND L5

=> s 11 and 12 and 13

L7 2 L1 AND L2 AND L3

=> s 11 and 16

L8 6 L1 AND L6

=> d 17 1-2 bib,abs

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2001:237944 CAPLUS

TI Highly water absorbent sheet and method for manufacturing same

IN Suzuki, Migaku

PA Japan Absorbent Technology Institute, Japan

SO Eur. Pat. Appl.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088537	A2	20010404	EP 2000-308588	20000929
	EP 1088537	A3	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001096654	A2	20010410	JP 1999-276722	19990929
	JP 3196933	B2	20010806		
	CN 1293025	A	20010502	CN 2000-134726	20000929
PRAI	JP 1999-276722	A	19990929		

AB A highly **absorbent composite** sheet wherein a **non-woven substrate** (1) having a bulky structure and solid **SAP** (2) with a part contained inside said bulky structure and the rest exposed on the surface of said **non-woven substrate** (1) are provided, a thermally fusible component (3) being a hot-melt adhesive, the hot-melt adhesive forming a fibrous network and covering said solid **SAP** (2) and fine cellulose fibers in contact with the solid **SAP** (2) whereby a single or double fibrous network is provided with the solid **SAP** (2) held in position. A method for manufg. same, and an **absorbent** article using such highly **absorbent composite** sheet are also provided.

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2001:63861 CAPLUS

DN 134:116931

TI Disposable **absorbent** article employing an **absorbent composite**, and method of making the same

IN Klemp, Walter V.; Ducker, Paul M.; Sneed, Scott W.; Suzuki, Migaku

PA Drypers Corporation, USA; Japan Absorbent Technology Institute

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2001005440	A2	20010125	WO 2000-US19493	20000714	
	WO 2001005440	A3	20011206			
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2000062189	A5	20010205	AU 2000-62189	20000714	
	EP 1231878	A2	20020821	EP 2000-948728	20000714	
		R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
PRAI	US 1999-144345P	P	19990716			
	WO 2000-US19493	W	20000714			
AB	A disposable <b>absorbent</b> article includes a topsheet, a backsheet and an <b>absorbent</b> core disposed therebetween. One or more of the backsheet, topsheet, and <b>absorbent</b> core is constructed of an <b>absorbent composite</b> that includes an <b>absorbent</b> layer of hydratable fine fibers in the form of microfibril obtained from cellulose or a deriv. thereof and super <b>absorbent</b> polymer (SAP) particles bonded together by the hydratable fibers, and a <b>nonwoven substrate</b> supporting the <b>absorbent</b> layer such as SMS. The <b>absorbent</b> layer is coated over the surface of the <b>nonwoven substrate</b> . The core may include one uniform layer of the <b>absorbent composite</b> or a <b>composite</b> having one layer of the <b>nonwoven substrate</b> and a plurality of segmented <b>absorbent</b> layers applied thereon. In the latter design, the <b>absorbent</b> layers are spaced apart from one another to expose surface sections of the <b>substrate</b> . These non-coated surface sections provide wicking zones which allow room for the <b>absorbent</b> layers to expand and prevent gel blocking.					

=> d his

(FILE 'HOME' ENTERED AT 11:34:37 ON 04 APR 2003)

FILE 'CAPLUS' ENTERED AT 11:35:28 ON 04 APR 2003

L1 740 S ABSORBENT(L) COMPOSITE  
L2 2568 S (NONWOVEN OR UNWOVEN OR NON-WOVEN OR UN-WOVEN) AND SUBSTRATE  
L3 12254 S SUPERABSORBENT OR SAP  
L4 6420 S HOT MELT ADHESIVE  
L5 461232 S FIBERS OR FIBRES  
L6 711 S L4 AND L5  
L7 2 S L1 AND L2 AND L3  
L8 6 S L1 AND L6

=> d 18 1-6 bib,abs

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2002:521640 CAPLUS

DN 137:79978

TI Hot-melt adhesive for nonwoven elastic composite for disposable **absorbent** article

IN Zhou, Peiguang; Garrett, Lance J., Jr.  
PA Kimberly-Clark Worldwide, Inc., USA  
SO PCT Int. Appl., 51 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053378	A2	20020711	WO 2001-US48367	20011211
	WO 2002053378	A3	20030116		
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	US 2002123726	A1	20020905	US 2001-944635	20010831

PRAI US 2000-259037P P 20001229  
US 2001-944635 A 20010831

AB **Hot-melt adhesive** compns. of atactic polypropylene and isotactic polypropylene are particularly suitable for bonding nonwoven elastic composite from a nonwoven substrate (polypropylene **fibers**) and .gtoreq.1 of an elastic strand (Lycra 940). A selected amt. of isotactic polypropylene is blended with a selected amt. of atactic polypropylene to prep. an adhesive compn. having .gtoreq.1 performance properties (e.g., bond strength) that are superior to the performance properties of conventional **hot-melt adhesives**.

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:284575 CAPLUS  
DN 136:315052  
TI Multifunctional multilayer absorbents and their manufacture  
IN Suzuki, Osamu  
PA Nippon Kyushutai Gijutsu Kenkyusho K. K., Japan  
SO Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002113800	A2	20020416	JP 2000-310852	20001011
PRAI	JP 2000-310852		20001011		

AB The **absorbents** consist of (A) **composite absorbents** comprising nonwoven fabrics, highly water-absorbing polymer (SAP) layers, and fiber net-type **hot-melt adhesives** and (B) sheets bonded with the **absorbents** via the adhesives. The **absorbents** are useful for disposable diapers, incontinence pads, sanitary napkins, pet sheets, etc. A tissue was sandwiched between (A) an **absorbent** comprising rayon nonwoven fabric, AP 50X (SAP), and Moresco TN 288 (adhesive) and (A') an **absorbent** comprising polyester nonwoven fabric, AP 211D (SAP), and Moresco TN 288.

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:237944 CAPLUS  
TI Highly water absorbent sheet and method for manufacturing same  
IN Suzuki, Migaku  
PA Japan Absorbent Technology Institute, Japan

SO Eur. Pat. Appl.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088537	A2	20010404	EP 2000-308588	20000929
	EP 1088537	A3	20011031		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001096654	A2	20010410	JP 1999-276722	19990929
	JP 3196933	B2	20010806		
	CN 1293025	A	20010502	CN 2000-134726	20000929
PRAI	JP 1999-276722	A	19990929		
AB	A highly <b>absorbent composite</b> sheet wherein a non-woven substrate (1) having a bulky structure and solid SAP (2) with a part contained inside said bulky structure and the rest exposed on the surface of said non-woven substrate (1) are provided, a thermally fusible component (3) being a <b>hot-melt adhesive</b> , the <b>hot-melt adhesive</b> forming a fibrous network and covering said solid SAP (2) and fine cellulose <b>fibers</b> in contact with the solid SAP (2) whereby a single or double fibrous network is provided with the solid SAP (2) held in position. A method for manufg. same, and an <b>absorbent</b> article using such highly <b>absorbent composite</b> sheet are also provided.				

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1999:372042 CAPLUS

DN 131:19962

TI Absorbent articles for diapers, adult incontinence garments and feminine hygiene products with wearing comfort

IN Lavon, Gary Dean; Lim, Hyun Sung; McKenna, James Michael; Ostapchenko, George Joseph; Vaidya, Shailaja Rejeev; Beck, Theodora; Curro, John Joseph

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9927877	A1	19990610	WO 1998-US25667	19981203
	W: AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, EE, ES, FI, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	ZA 9811024	A	19990603	ZA 1998-11024	19981202
	CA 2310727	AA	19990610	CA 1998-2310727	19981203
	AU 9916240	A1	19990616	AU 1999-16240	19981203
	EP 1039866	A1	20001004	EP 1998-960704	19981203
	EP 1039866	B1	20020710		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9813388	A	20001024	BR 1998-13388	19981203
	JP 2001524351	T2	20011204	JP 2000-522866	19981203
	AT 220312	E	20020715	AT 1998-960704	19981203
	ES 2177110	T3	20021201	ES 1998-960704	19981203
PRAI	US 1997-984463	A	19971203		
	WO 1998-US25667	W	19981203		

AB The **absorbent** articles have outer coverings designed to provide breathability and promote more healthy internal environmental conditions for the wearer. More specifically, the **absorbent** articles comprise (a) a topsheet; (b) a backsheet; and (c) an **absorbent** core; wherein the backsheet comprises a nonporous, substantially fluid impermeable, moisture vapor permeable **composite** sheet material. Preferably, the **composite** sheet material is oriented such that the film layer of the **composite** sheet material faces toward said **absorbent** core. The film layer of the **composite** sheet comprises a substantially hydrophilic elastomer film layer which is preferably located in contact with the fibrous substrate. The film layer of the **composite** sheet comprises a multiple layer film with a substantially hydrophilic elastomer film layer and a substantially hydrophobic elastomer film, the substantially hydrophilic elastomer film is preferably located between the substantially hydrophobic elastomer film and the fibrous substrate. In another embodiment, the film layer may further comprise a third film layer comprising a substantially hydrophobic elastomer film located between the substantially hydrophilic elastomer film and the fibrous substrate. The **absorbent** article may comprise a disposable diaper.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 1998:184248 CAPLUS  
DN 128:245158  
TI Nonwoven fabric-based **composite** sheets for liquid  
**absorbents**  
IN Maeda, Katsushi; Fujita, Kazuo; Suzuki, Mikio; Kurahashi, Masao; Kaneda, Manabu  
PA Kao Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10076592	A2	19980324	JP 1996-235564	19960905
PRAI	JP 1996-235564		19960905		

AB Title composite sheets, with good touch and softness, useful for disposable diapers, etc., comprise surface-embossed laminates of (A) point-bonded nonwoven fabrics and (B) liq.-impermeable sheets, where the total area of the bonded points being 10-40% of total surface area. Thus, a compn. of Ultzex 2520F 100, CaCO<sub>3</sub> 150, and an ester of 4:2:1 Lunac S 40/trimethylolpropane/adipic acid 10 parts was kneaded, pelletized, inflation molded, and stretched to give a porous sheet showing wt. 20 g/m<sup>2</sup> and moisture permeability (JIS Z 0208) 1.8 g/100 cm<sup>2</sup>-h. Then, the sheet was laminated with an embossed nonwoven fabric of 1.8-denier water-repellent polypropylene **fibers** using a **hot-melt adhesive** and embossed to give a laminated sheet showing embossed surface-area ratio 22%, interlayer peeling strength 129 g/25 mm, and excellent dryability test.

L8 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 1994:638470 CAPLUS  
DN 121:238470  
TI Self-adhesive nonwoven elastic compressible composite material  
IN Faass, Judith K.  
PA Kimberly-Clark Corp., USA  
SO Can. Pat. Appl., 47 pp.  
CODEN: CPXXEB  
DT Patent  
LA English

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2092581	AA	19940623	CA 1993-2092581	19930326
	AU 9352142	A1	19940714	AU 1993-52142	19931202
	AU 671869	B2	19960912		
	JP 07003601	A2	19950106	JP 1993-321845	19931221
	US 5503908	A	19960402	US 1994-271276	19940706
PRAI	US 1992-995468		19921222		

AB The title material is composed of .gtoreq.1 elastic composite material and a coating of a self-adhesive material on at least a portion of .gtoreq.1 of its exterior surfaces so that the material is capable of being compressed in the Z-direction .gtoreq.45% at a pressure of .apprx.3 psi to a thickness of .gtoreq.0.035 in. The elastic composite material may contain an elastomeric nonwoven fibrous web joined to .gtoreq.1 relatively nonelastic gatherable material at spaced-apart locations so that the gatherable material is gathered between the spaced-apart locations. The peel strength of the self-adhesive material is less than the peel strength of the layers of the elastic composite material. The product may be used as a wrap or bandage in human or veterinary medicine. Thus, a nonwoven elastomeric web of melt-blown **fibers** comprising Kraton G-1657 63, polyethylene NA601 17, and Regalrez 1126 20 wt.% was stretch-bonded at spaced-apart locations to a nonelastic polypropylene filament web facing and sprayed on one side with a **hot-melt adhesive** (National 70-3828) (5 g/m<sup>2</sup>).

=&gt; log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	51.04	51.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-5.21

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